

Application No.: 10/564,254

Amendment and Response dated December 20, 2010

Reply to Office Action of October 27, 2010

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Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the subject application, and please amend the claims as follows:

Claim 1. (Previously Presented): An artificial turf filament, wherein the filament has in cross-section:

a central area having an inner side and an outer side, and

two wing areas on opposite sides of said central area and integral with said central area, said wing areas being arranged in a diverging orientation from said inner side of said central area, wherein each wing area is defined by opposed faces,

wherein

at the inner side of the diverging wing areas the central area forms an outwardly protruding bulb forming a curved convex shape extending from said inner side between said two wings, so that said central area forms a protrusion with respect to the adjacent faces of the wing areas.

Claim 2. (Previously Presented): An artificial turf filament according to claim 1, wherein the filament, preferably the central area, is fortified by one or more reinforcement fibres.

Claim 3. (Previously Presented): An artificial turf filament according to claim 1, wherein the central area of the filament has a thickness at least 50%, preferably at least 100%, greater than the thickness of the wing areas, at least of a part of each wing area adjoining said central area.

Claim 4. (Previously Presented): An artificial turf filament according to claim 1, wherein the wing areas have a cross-section differing from one another.

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Claim 5. (Previously Presented): An artificial turf filament according to claim 1, wherein the wings areas each have an essentially straight centre line.

Claim 6. (Previously Presented): An artificial turf filament according to claim 1, wherein the wing areas each have a curved centre line.

Claim 7. (Previously Presented): An artificial turf filament according to claim 1, wherein the distance between the centre lines of the wing areas is the greatest at the free ends of the wing areas.

Claim 8. (Previously Presented): An artificial turf filament according to claim 1, wherein the centre lines of the wing areas – if said centre lines are essentially straight – or imaginary lines interconnecting a centre point of said central area with a point where each of the centre lines intersects the free end of the wing area – if said centre lines are essentially curved - include an angle of less than 170 degrees.

Claim 9. (Original): An artificial turf filament according to claim 8, wherein said angle is between 90 and 170 degrees, preferably between 100 and 150 degrees, most preferably between 100 and 135 degrees.

Claim 10. (Previously Presented): An artificial turf filament according to claim 1, wherein the wing areas have a thickness measured at right angles to the associated centre line, and wherein the wing areas each have a thickness which tapers towards the free end of the wing.

Claim 11. (Previously Presented): An artificial turf filament according to claim 1, wherein the free end of each wing area has a rounded tip.

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Claim 12. (Previously Presented): An artificial turf filament according to claim 11, wherein the rounded tip has a radius greater than a part of the wing area adjoining said rounded tip.

Claim 13. (Previously Presented): An artificial turf filament according to claim 1, wherein the filament contains at least one synthetic polymer.

Claim 14. (Previously Presented): An artificial turf filament according to claim 13, wherein the filament contains polyethylene.

Claim 15. (Previously Presented): An artificial turf filament according to claim 2, wherein the one or more reinforcement fibres are polyamide or PBT (polybutyleneterephthalate) fibres embedded in polyethylene or another polymer.

Claim 16. (Previously Presented): An artificial turf filament according to claim 1, wherein the filament contains an organic material.

Claim 17. (Previously Presented): An artificial turf including a plurality of artificial turf filaments according to claim 1.

Claim 18. (Previously Presented): An artificial turf having a substrate and a plurality of artificial turf filaments according to claim 1 anchored in the substrate and extending there from.

Claim 19. (Original): An artificial turf according to claim 18, wherein said filaments are injected into the substrate, and wherein the substrate is preferably soil.

Claim 20. (Previously Presented): An artificial turf according to claim 18, wherein said substrate is a carpet and said filaments are anchored to said carpet.

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Claim 21. (Previously Presented): An artificial turf according to claim 18, wherein said artificial further includes a backing for said substrate, said filaments being anchored to said substrate.

Claim 22-66 (Cancelled)

Claim 67 (Previously Presented) An artificial turf filament according to claim 1, wherein said outer side has a flattened apex.

Claim 68 (Currently Amended) An artificial turf filament according to claim 22, wherein the cross-section of the filament has a central area having an inner side and an outer side and two wing areas on opposite sides of said central area and integral with said central area, said wing areas being arranged in a diverging orientation towards said inner side, said outer side having a flattened apex, wherein said inner side has an outwardly protruding bulb between said wing area.

Claim 69 (Previously Presented) An artificial turf filament according to claim 1, wherein said central area has a hole therethrough.

Claim 70 (Previously Presented) An artificial turf filament according to claim 1, wherein an outer surface of said outer side and outer surfaces of adjacent surfaces of each wing area have a flush transition therebetween.